



What way will it go?

land - resource limited

{ factors pressure

{ dress land problems and meet the future generations

less^{good} productive land now

fertile grow food and raise animals

happened in every continent

don't mean existing dessert (Sahara bigger) new dry areas except Antarctic

Why land forming? ① climate global warming water → dry

② nature or weather scientists say climate - people's action how use and manage land

over population / poor farming technology / too many animals

a. over grazing by farm animals - 35% land

over cutting trees - 30% 28% - methods of farming (over cutting)

a. animals eat too many plants result - left land with soil plant top soil eroded

animals walk - soil compacted down

if soil is hard, rain water soil gets dryer then few plants can grow

animals walk more to find food - soil too bad dryer

b. too cut, few replant nothing to hold good soil wind and water carry it away

c. tradition - 1/2 farm need meet the [more people, less land]

irrigation has salt in it 1/3 has too much salt

how use weather (make it worse)

worldwide 1/3 unproductive

good news: preserve land

the US grow GM crops / plant new trees / raise few animals / build new irrigation system

local methods: look traditionally, use modern and farming 方法

Land as a resource. (Topic). limited resource.

population increase

Bad news:

① less good productive land now. worldwide ^{new} dry area expanding land decline in quality
fertilize ~~feed animal~~ ^{developing} ~~and~~ ^{and}
grow crops food: ① global warming < weather >

② main factor: people's action → how they use and manage

① overgrazing 37% farm animals eat too many top soil ~~erode~~ ^{work around} → soil become hard
② overcutting 30% not replanted Brazil rainforest. vital to balance nothing to hold the good soil. can't leak rain pack down even drier.
③ farming ~~ethic~~ 28% ^{methods} population increase. soil getting warm out.
not land test. irrigation water → salt → soil.
1/3 too much salt.

no rain, too much rain (weather) — extreme weather cause ^{by global warming} ~~problem~~
1/3 unproductive too dry and ^{damage} ~~damage~~ ~~less productive~~

Good news:

① several organization. help countries and communities better equipped
farm methods, animals, trees. figure out plan to help them.
suggest gene ^{en} crops. raise less animal. plant more trees.
modern farming ~~ethic~~ ^{not hurt the soil much}
local solution.

100 years 9 billion people.
later

land. and resource.

manage. limited resource

salaries.

observed. early.

less productive land. → for food.

decreased. new dry area expanding.

quality.
controlling problem (35% produce overgrazing
30% over cut trees
28% family levels.)

why { climate ~~to~~ warming } not.
global warming.
people (rich factor).
actions (how use)
{ poor family. animals.

overgrazing. (let eat grass) rain the rain

overcutting → cut not plant → large skill → find hole.
land dry.

soil is dry driver
can't grow
animal walk around
pick down dry grass

farming (with north white) population → we furlanders
measures. fertile

education, water → heavy tone on good land.

less fertile.
for much rain. global warming.
people activity.

is unproductively dry and damaged.

fertilizer.

go for try to find way

work to help

figure.
prevent this from.

specific how to use resources.
changes. no argument now.

save few animals

look - traditionally

poor people. poverty land left.

1. factors contributing to some pressures on the land we have
2. people try to ~~do some of~~ address land problems ~~but~~

bad news

there is less good productive land

factor ① ~~global~~ global warming

② people's action

① overgrazing by farm animals.

② overcut the trees.

③ methods of farming

① animals eat too many plants: no enough plant left to hold the soil in place. . . the soil is too hard. rain water isn't absorbed into soil

② too many trees are cut and not replanted
wind and water take ^{good} the soil away
it erodes quickly

③ traditional methods. no longer work well.
irrigation ~~has~~ has too much salt.

good news:

modern farming methods

Lucas



天津科技大学

TIANJIN UNIVERSITY OF SCIENCE & TECHNOLOGY

Which way will it go: (Land as resources)

Bad news: (factors contributing to pressures on land we have)

Good news: (people worldwide are trying to (land problems))

1. lose productive land and expand new/dry areas: every continent except Africa

Why these land expanding? decline:

factors: the weather is not the main reason

People's actions are the main

① Overgrazing by farm animals 35%

⇒

② Overcutting trees 30%

⇒

③ Farming methods 28%

⇒

↓ farmers
use more fertilizer

not let the land rest

irrigation. → salt builds up in soil → soil can't be used for farming

global warming make it worse

Good news:

What are countries doing to preserve land.

changes:

farming methods:

farmers better equipped

grow

GM crops

new trees

raise fewer animals

build ~~more~~ new irrigation system

leave less salt

implement better farming methods

校址: 天津经济技术开发区第十三大街29号

邮编: 300457 电话: